

FIG. 1

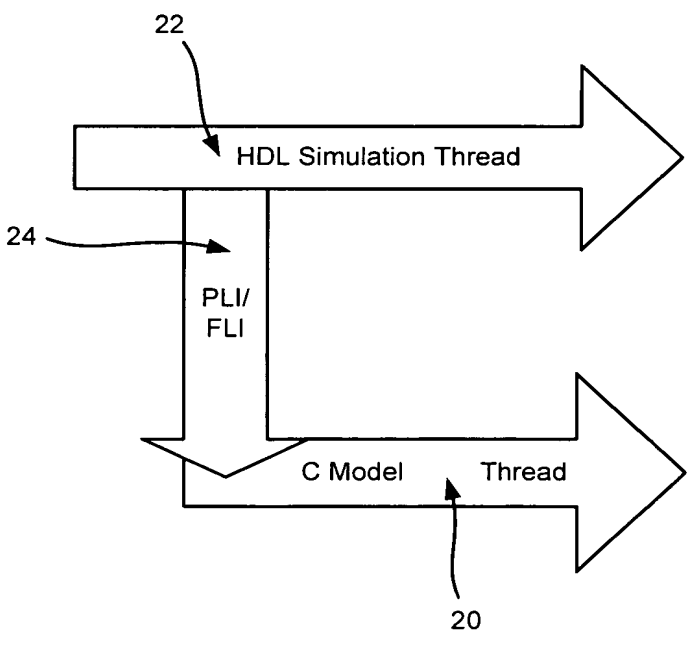
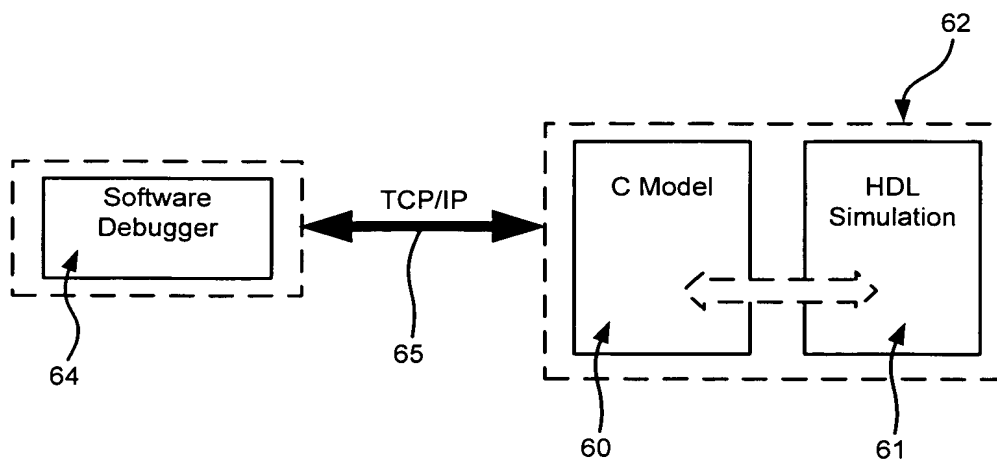
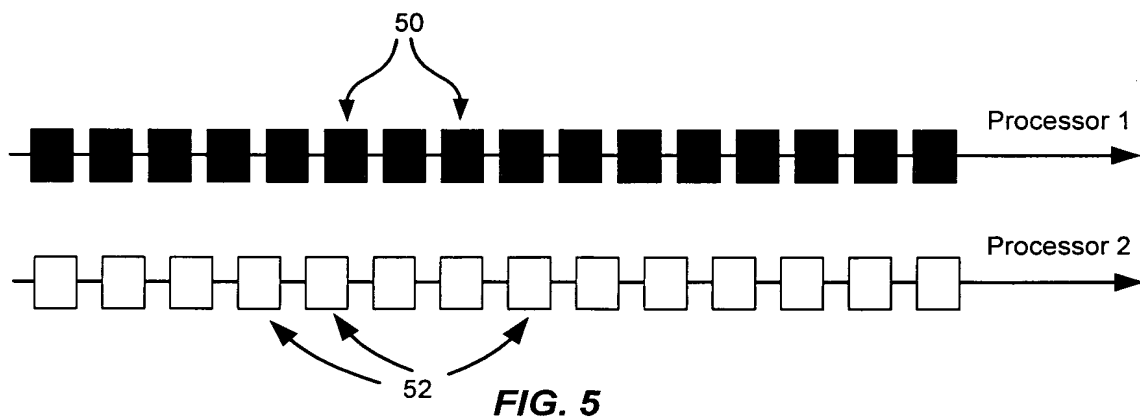
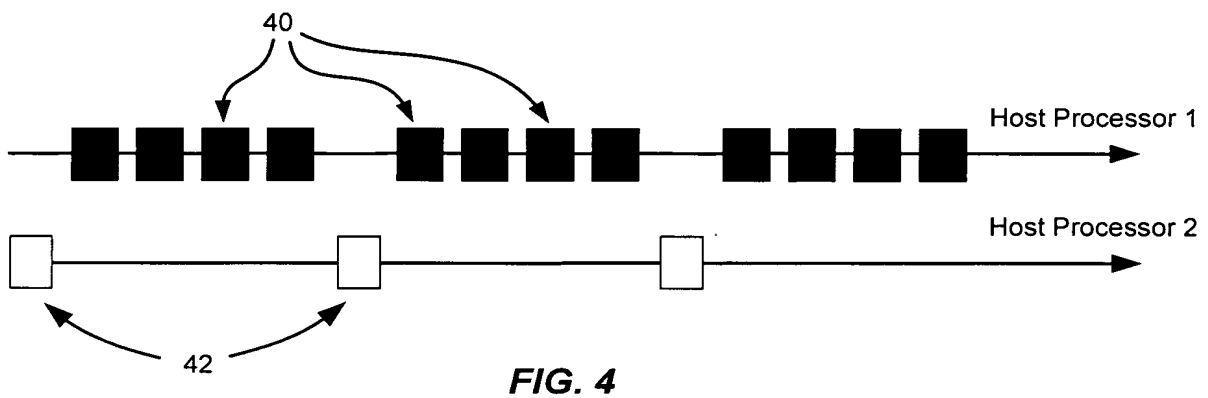
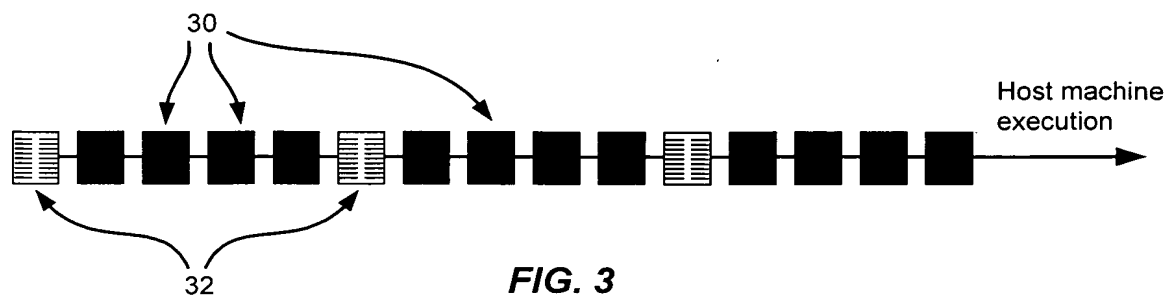
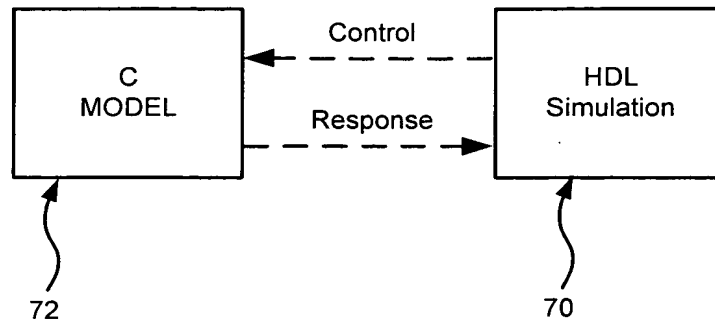
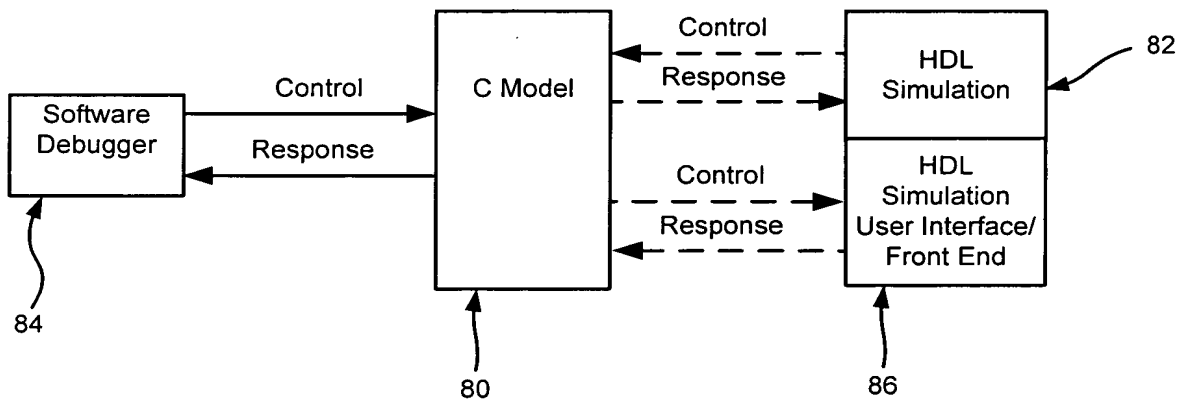
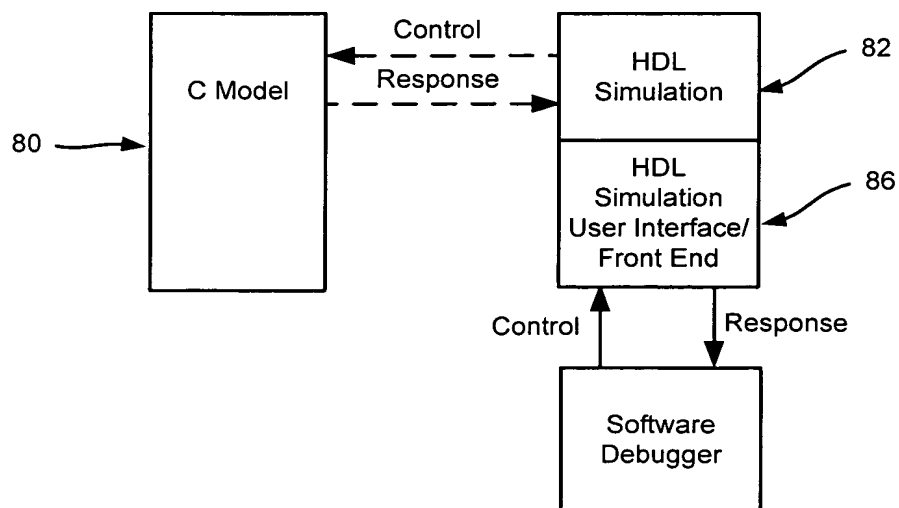


FIG. 2





**FIG. 7****FIG. 8****FIG. 9**



C model thread polls comm. thread every clock cycle for any characters in comm. thread buffer

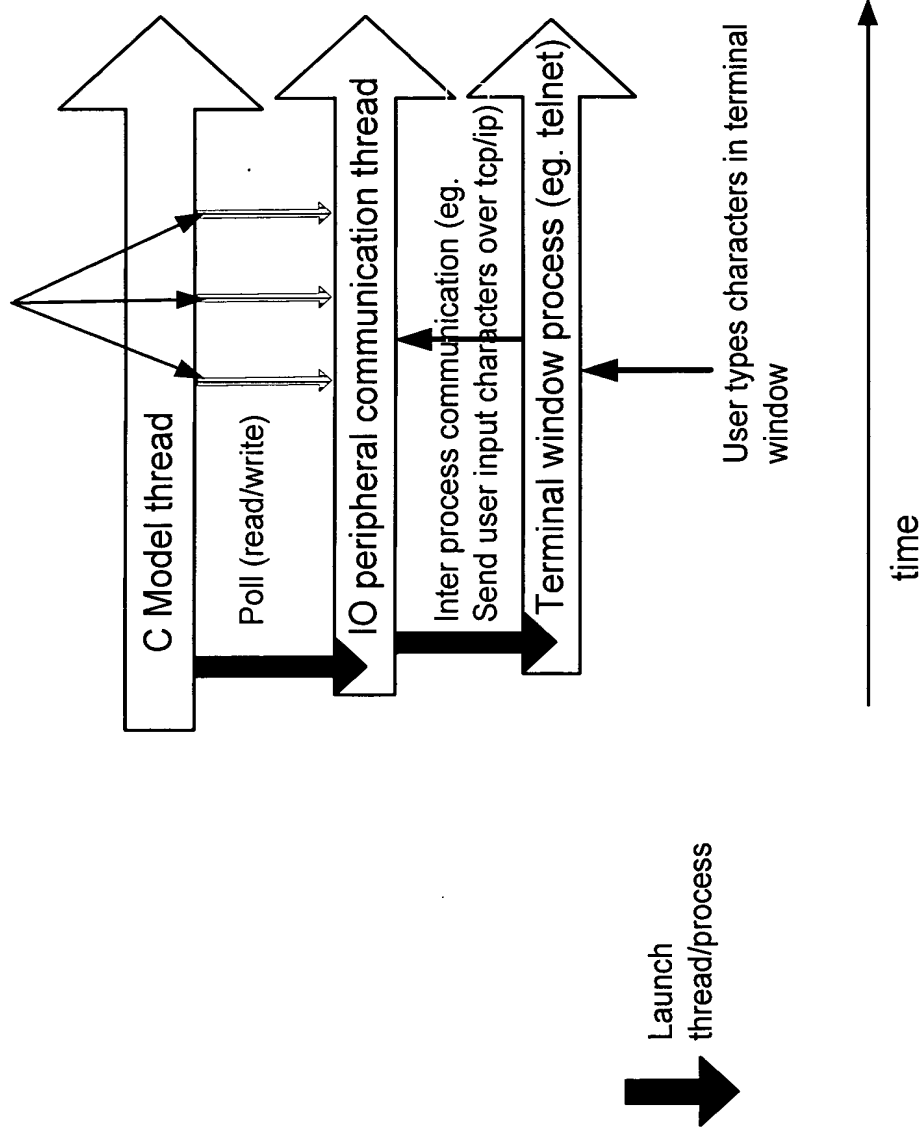


FIG. 10

